

Declassified and Approved For Release 2011/11/18 : CIA-RDP89G00720R000600730011-3

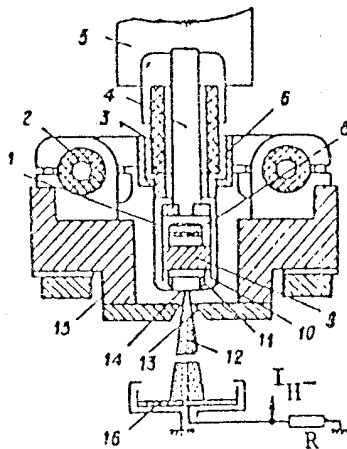
A reminder that there are cases of Soviet superiority in the high-technology business. The SDIO even points out in unclassified circles that they took advantage of Soviet designs for ion sources and the RFQ in the neutral particle beam work. A case of "reverse technology transfer..."

Declassified and Approved For Release 2011/11/18 : CIA-RDP89G00720R000600730011-3



SOVIET PARTICLE-BEAM TECHNOLOGY (REVERSE TECHNOLOGY TRANSFER)

NEGATIVE ION SOURCE



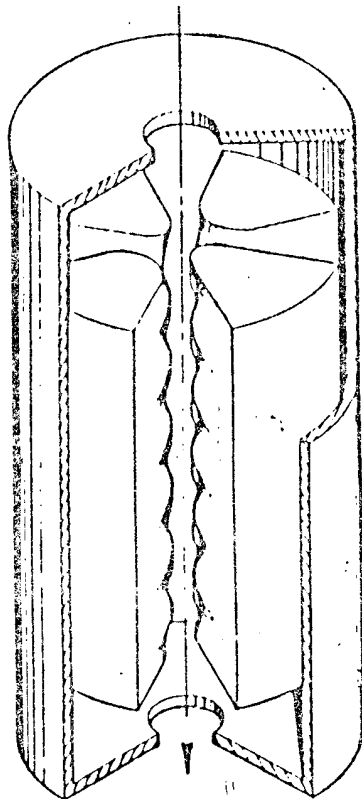
V. G. DUDNIKOV
NFI, NOVOSIBIRSK

1975

$I_P = 150 \text{ mA}$

BRIGHTNESS = $170 \text{ A/cm}^2\text{-MRAD}^2$

RADIO-FREQUENCY QUADRUPOLE (RFQ)



1970

I. M. KAPCHINSKII
ITEF, MOSCOW

V. A. TEPLYAKOV
IFVE, SERPUKHOV

1982:

$I_P = 100 \text{ mA}$

$E_P = 3 \text{ MeV}$

UNCLASSIFIED